OIPE IAP46
APR 03 2006
PATENT & TRADEMARK OFFICE

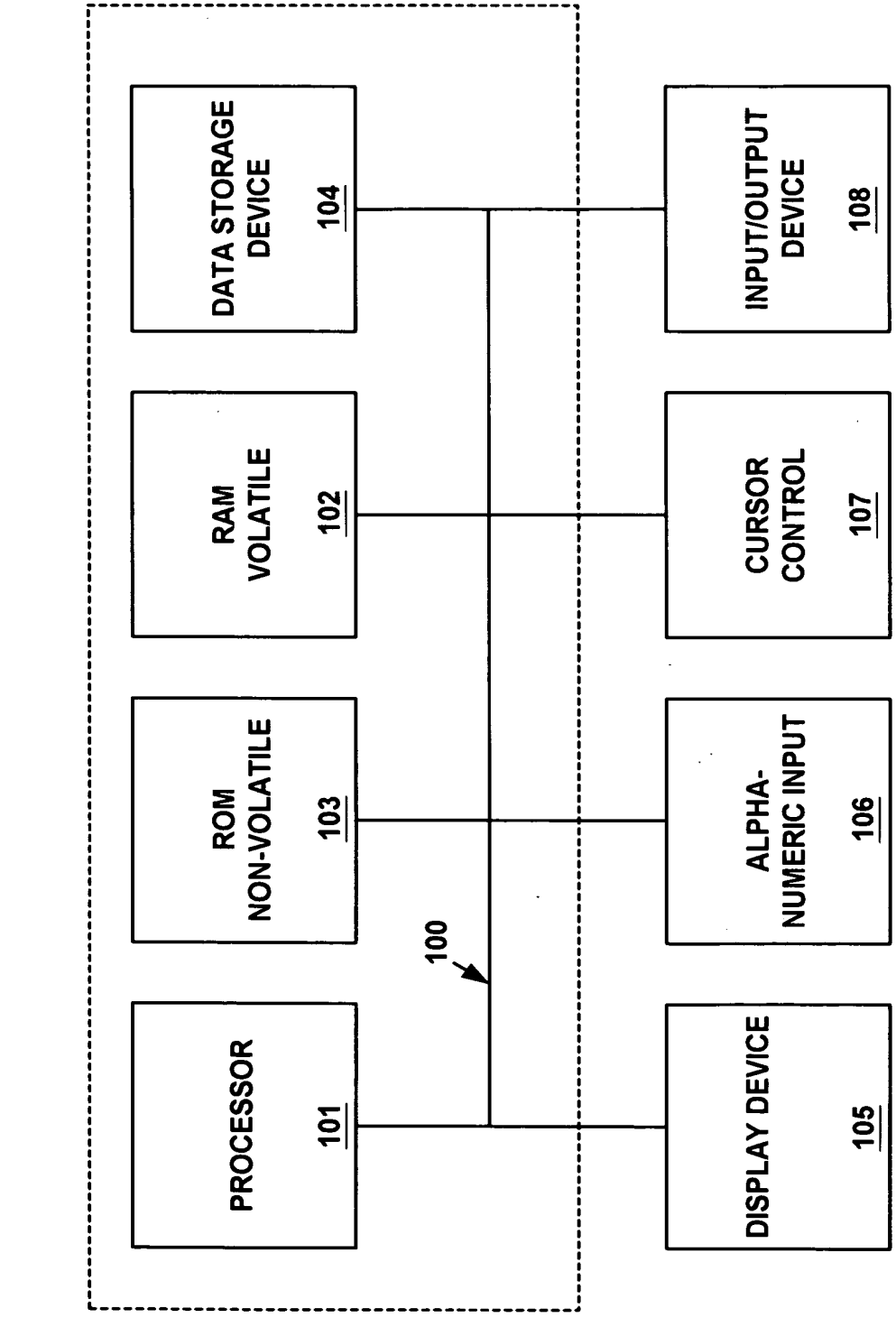

FIGURE 1

210

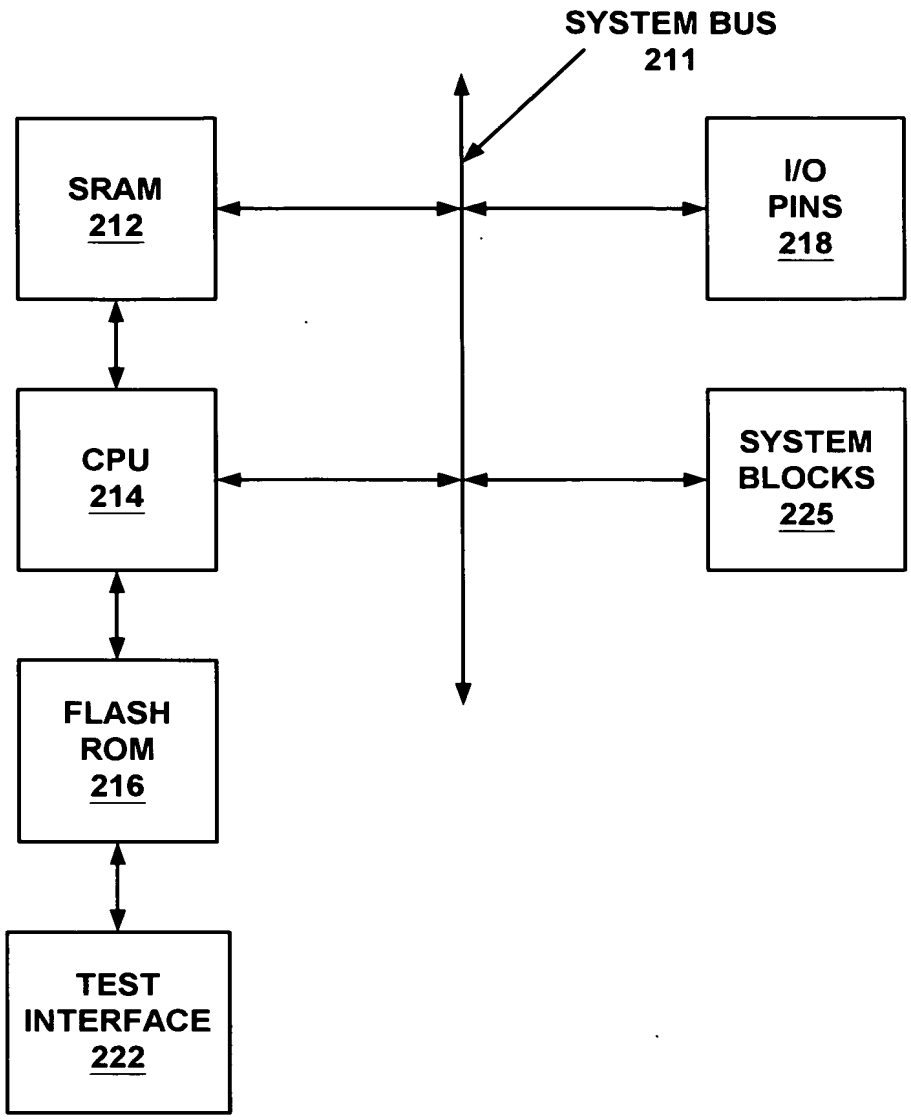

FIGURE 2A

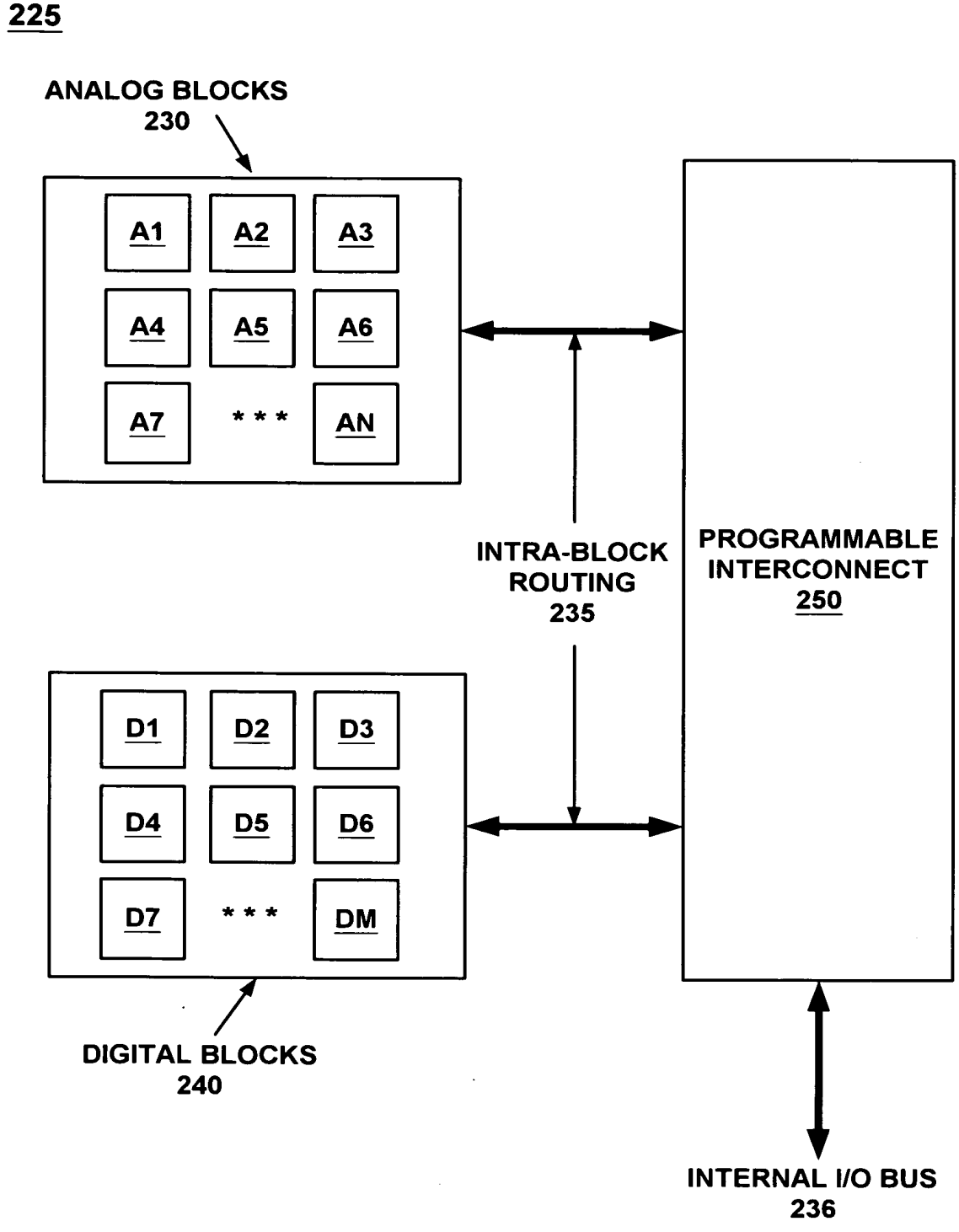
225
ANALOG BLOCKS
230
A1
A2
A3
A4
A5
A6
A7
* * *
AN
INTRA-BLOCK
ROUTING
235
PROGRAMMABLE
INTERCONNECT
250
D1
D2
D3
D4
D5
D6
D7
* * *
DM
DIGITAL BLOCKS
240
INTERNAL I/O BUS
236

FIGURE 2B

300

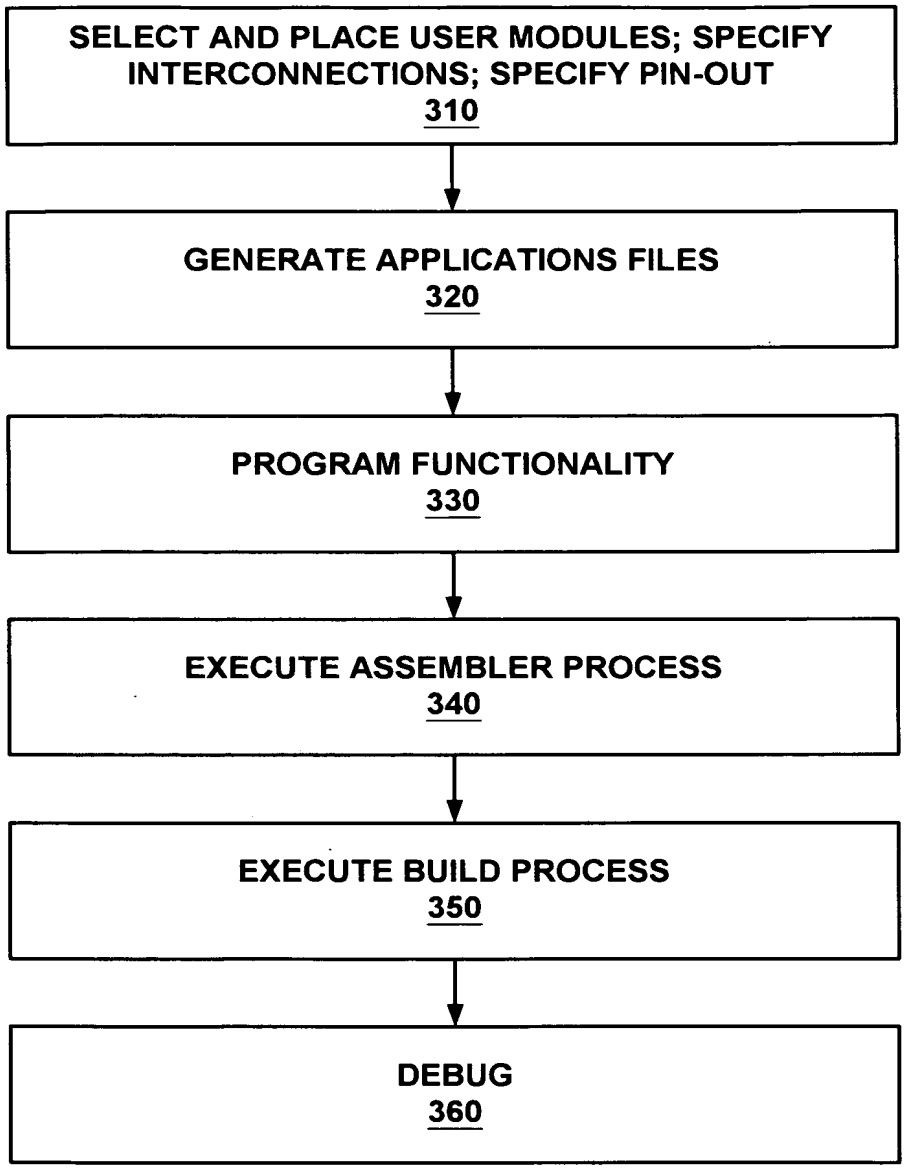
SELECT AND PLACE USER MODULES; SPECIFY INTERCONNECTIONS; SPECIFY PIN-OUT
310
GENERATE APPLICATIONS FILES
320
PROGRAM FUNCTIONALITY
330
EXECUTE ASSEMBLER PROCESS
340
EXECUTE BUILD PROCESS
350
DEBUG
360

FIGURE 3

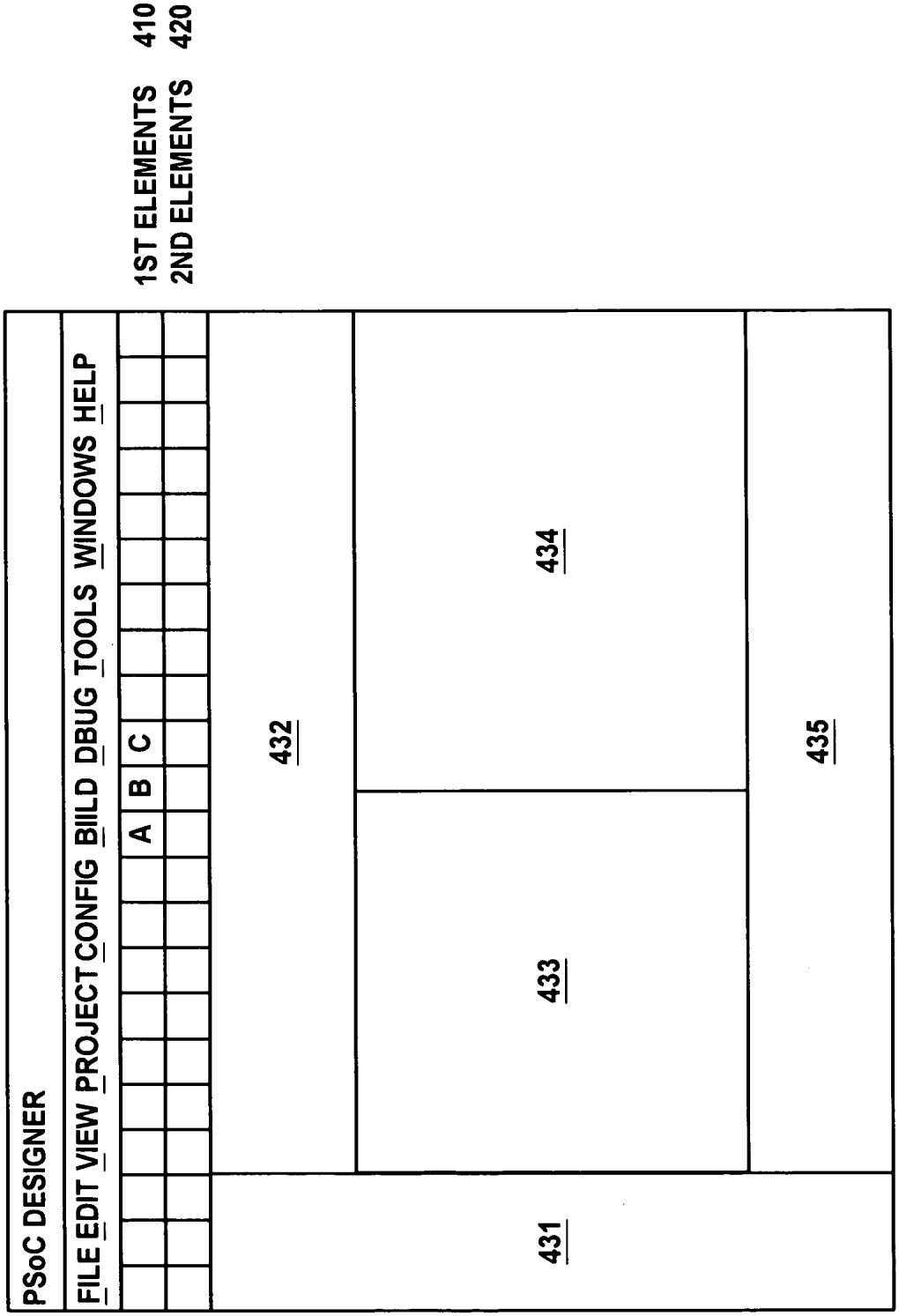
400
PSoC DESIGNER
FILE EDIT VIEW PROJECT CONFIG BIILD DBUG TOOLS WINDOWS HELP
A
B
C
1ST ELEMENTS 410
2ND ELEMENTS 420
431
432
433
434
435

FIGURE 4A

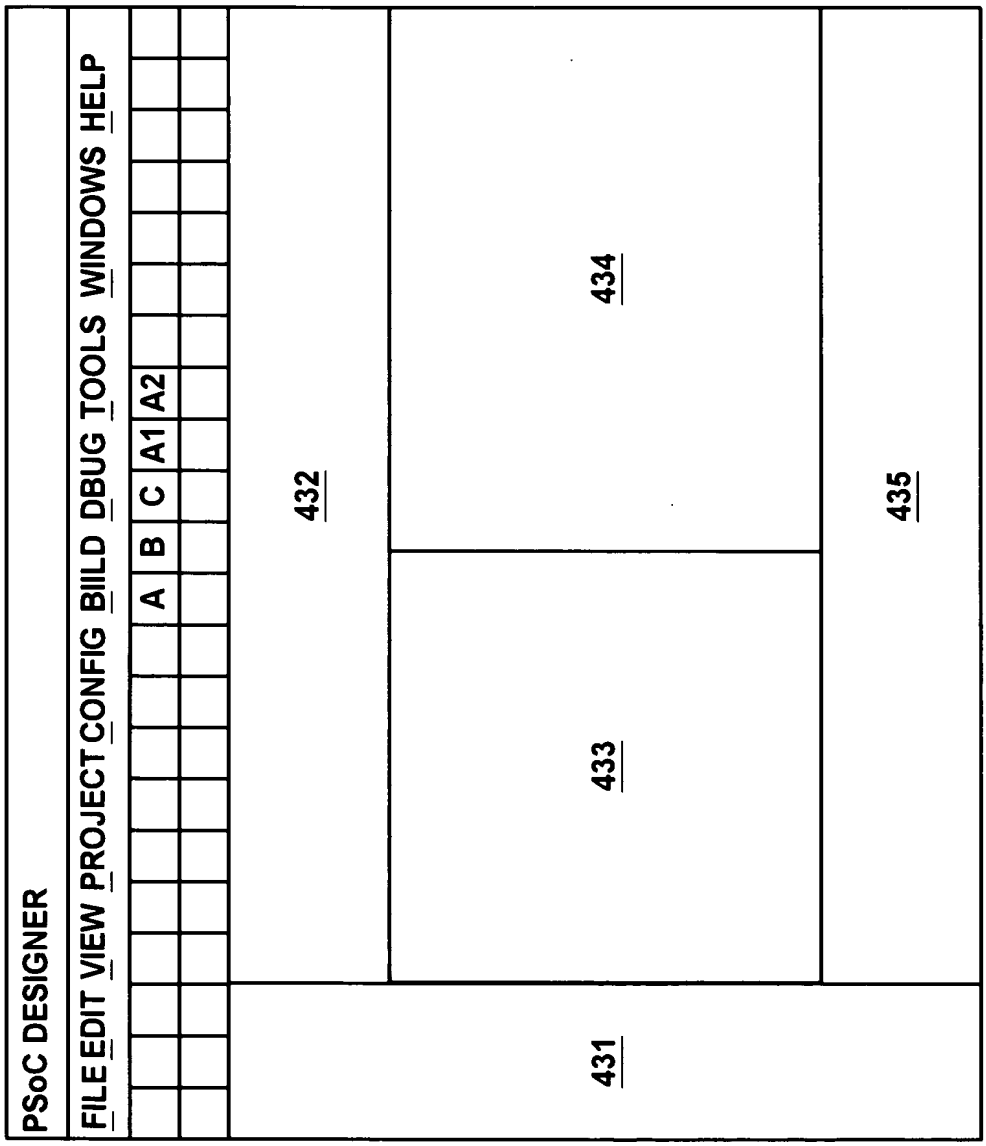
1ST ELEMENTS 410
2ND ELEMENTS 420
PSoC DESIGNER
FILE EDIT VIEW PROJECT CONFIG BIILD DBUG TOOLS WINDOWS HELP
A
B
C
A1
A2
431
432
433
434
435
401

FIGURE 4B

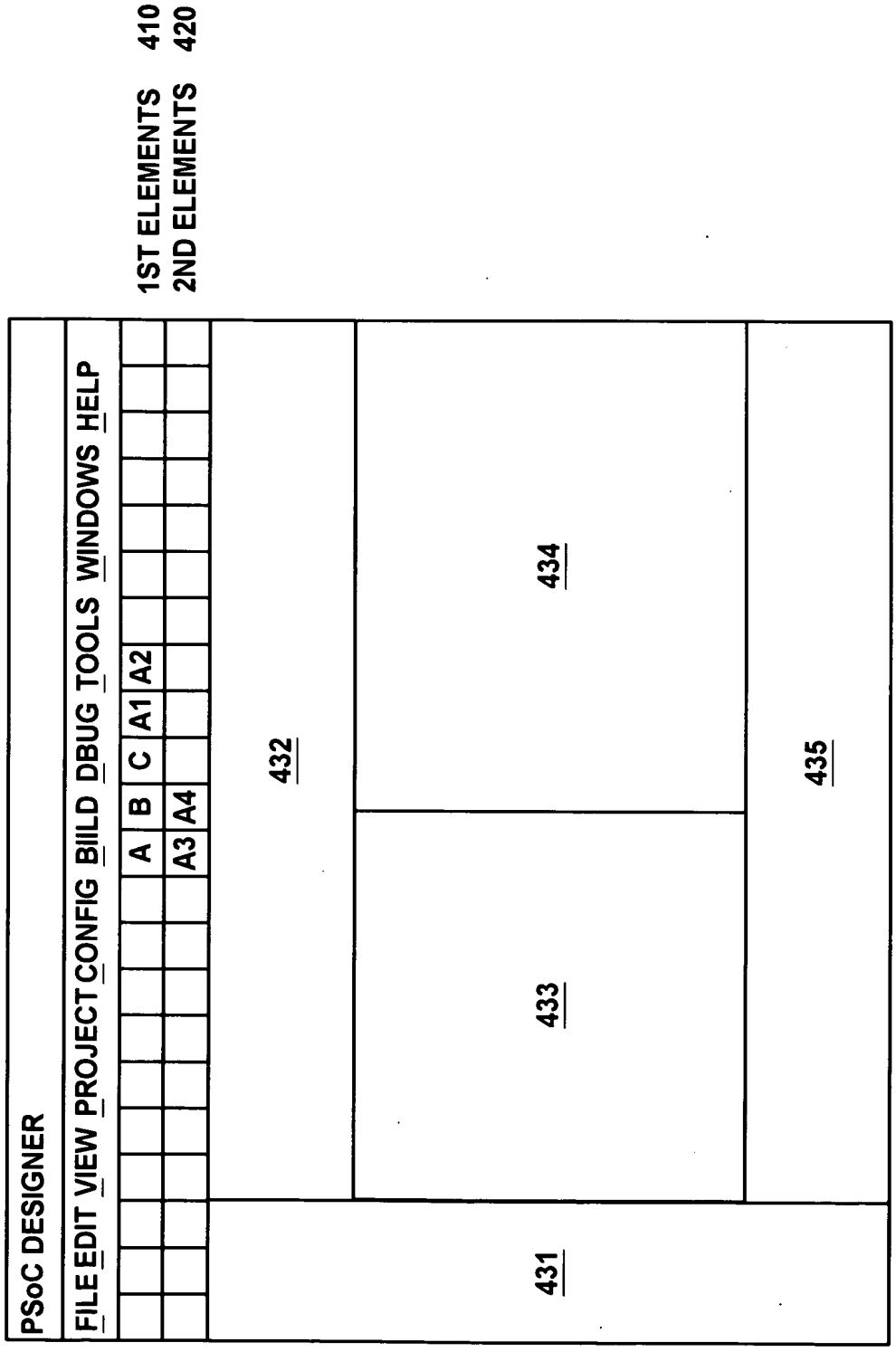
1ST ELEMENTS 410
2ND ELEMENTS 420
PSoC DESIGNER
FILE EDIT VIEW PROJECT CONFIG BIILD DBUG TOOLS WINDOWS HELP
A
B
C
A1
A2
A3
A4
431
432
433
434
435
402

FIGURE 4C

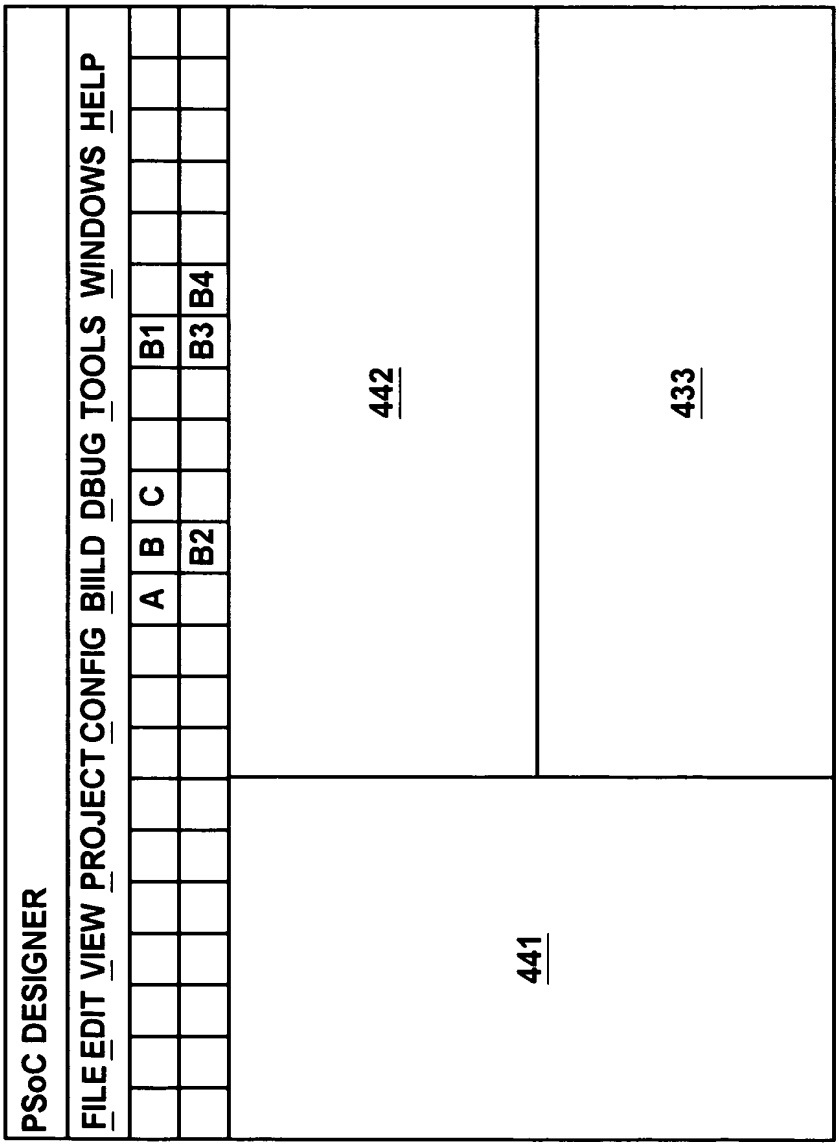
1ST ELEMENTS 410
2ND ELEMENTS 420
PSoC DESIGNER
FILE EDIT VIEW PROJECT CONFIG BIILD DBUG TOOLS WINDOWS HELP
A
B
C
B1
B2
B3
B4
441
442
433
403

FIGURE 4D

500

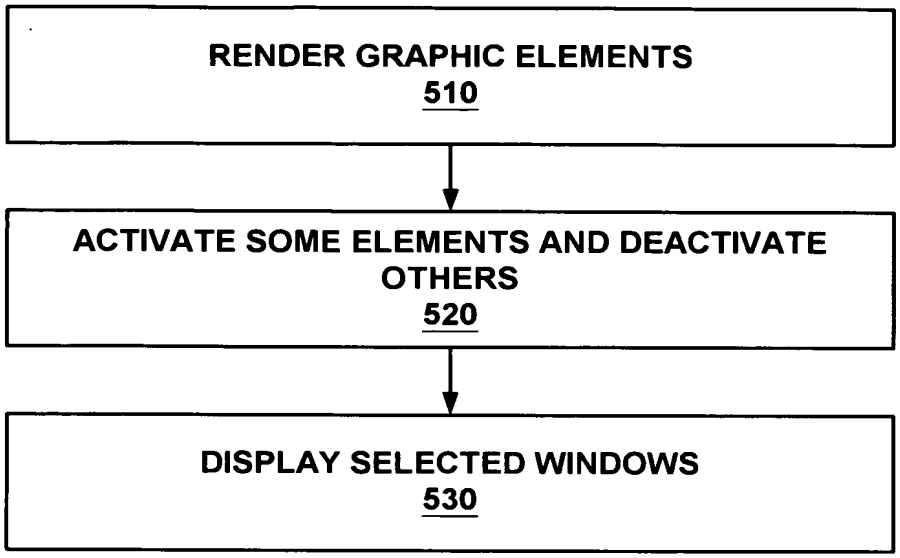
RENDER GRAPHIC ELEMENTS
510
ACTIVATE SOME ELEMENTS AND DEACTIVATE OTHERS
520
DISPLAY SELECTED WINDOWS
530

FIGURE 5

600

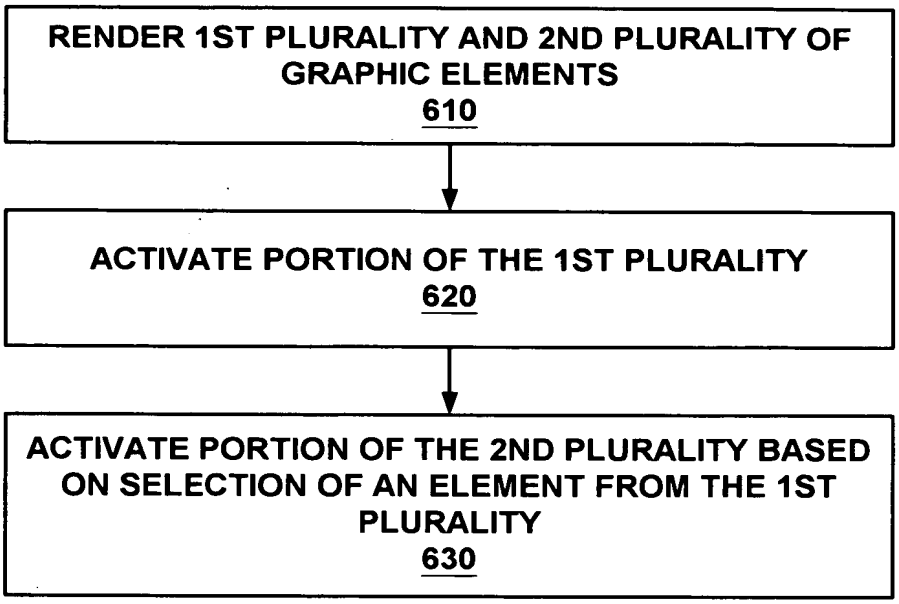
RENDER 1ST PLURALITY AND 2ND PLURALITY OF GRAPHIC ELEMENTS
610
ACTIVATE PORTION OF THE 1ST PLURALITY
620
ACTIVATE PORTION OF THE 2ND PLURALITY BASED ON SELECTION OF AN ELEMENT FROM THE 1ST PLURALITY
630

FIGURE 6

700

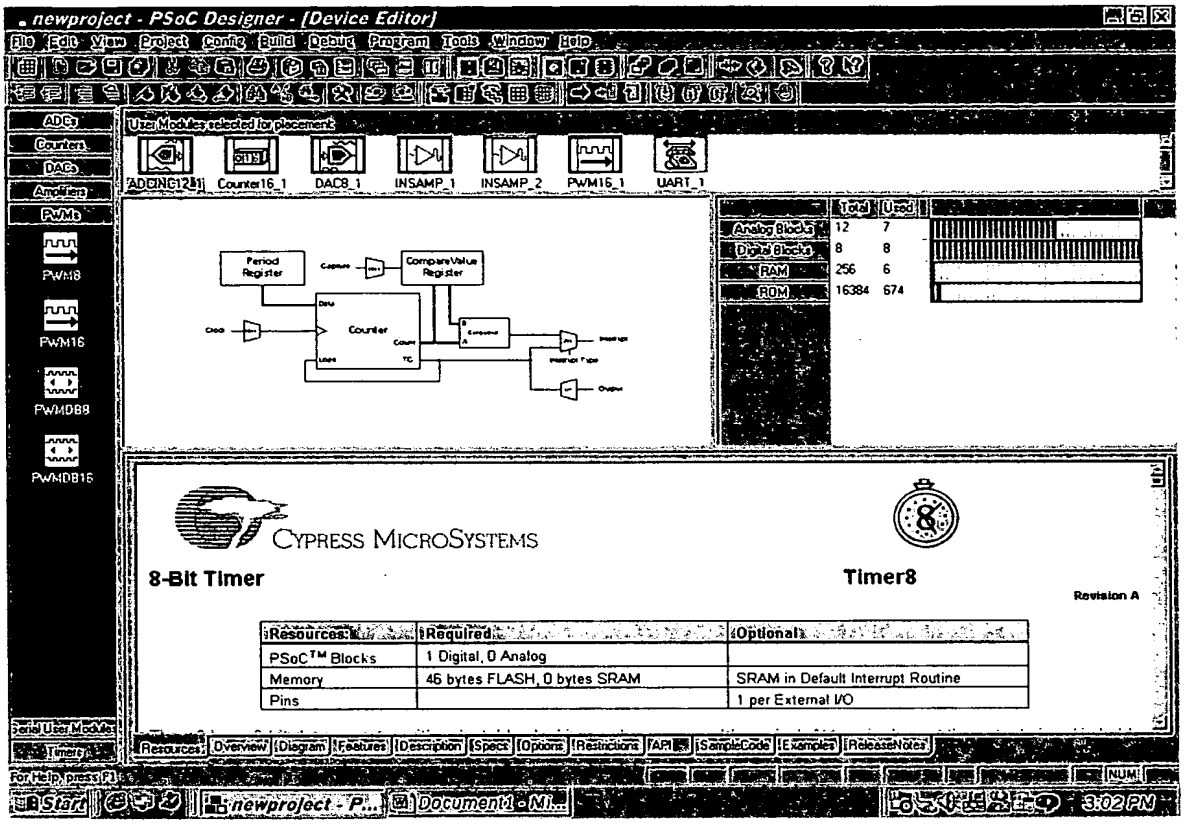
newproject - PSoC Designer - [Device Editor]
File Edit View Project Config Build Debug Program Tools Window Help
User Modules selected for placement:
ADCINC12B1
Counter16_1
DAC8_1
INSAMP_1
INSAMP_2
PWM16_1
UART_1
ADCs
Counters
DACs
Amplifiers
PWMs
PWM8
PWM16
PWMDB8
PWMDB16
Period Register
Compare Value Register
Counter
Analog Blocks 12 7
Digital Blocks 8 8
RAM 256 6
ROM 16384 674
CYPRESS MICROSYSTEMS
8-Bit Timer
Timer8
Revision A
Resources
Required
Optional
PSoC™ Blocks 1 Digital, 0 Analog
Memory 46 bytes FLASH, 0 bytes SRAM SRAM in Default Interrupt Routine
Pins 1 per External I/O
Resources Overview Diagram Features Description Specs Options Restrictions API SampleCode Examples ReleaseNotes
For Help press F1
Start
newproject - P...
Document1 - Mi...
3:02 PM

FIGURE 7